

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 77-152

WASTE DISCHARGE REQUIREMENTS FOR:

PIOMBO CORPORATION, INC.
PENINSULA MARINA
REDWOOD CITY, SAN MATEO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Piombo Corporation, Inc. hereinafter called the discharger, submitted a report of waste discharge in December 1977.
2. The discharger proposes to create and operate a 11.9 acre, 310 berth marina located at 600 Bair Island Road north of Redwood Creek in Redwood City. The discharger proposes to excavate some 100,000 cubic yards of fill from the proposed marina basin for disposal around the perimeter of the marina basin. The nearly rectangular shaped marina will have a single 80 foot wide entrance channel into Redwood Creek, as shown in Attachment A which is incorporated herein and made a part of this Order.
3. The marina complex will include restaurants, marina-related commercial development, a cinema, a public boat ramp, a fuel float, a sewage pumpout facility tied to the Redwood City sewage system, and waste oil storage tanks located on land.
4. The discharger has submitted information on water circulation and exchange for the proposed marina basin which concludes that there is some potential for water quality degradation during the summer months. In order to provide adequate circulation of the marina waters throughout the year and maintain water quality at a satisfactory level, the discharger proposes to install a 36 inch pipeline between Redwood Creek and the rear of the marina, as shown in Attachment A, with provision for the installation of a three horsepower motor driven propeller at the marina end of the pipeline.
5. The Redwood City Planning Department has prepared a final environmental impact report dated November 16, 1976, in accordance with the California Environmental Quality Act (Public Resources Code Section 2100 et. seq.). The project as approved by the City of Redwood City will have as the only significant effect on the environment, that the operation and maintenance of the marina will contribute to the degradation of the water quality in Redwood Creek.
6. The Water Quality Limitations, and Provisions of this Order mitigate or avoid the adverse environmental impact listed in 5. above.

7. The Board adopted the Water Quality Control Plan for San Francisco Bay Basin on April 15, 1975, containing water quality objectives for Redwood Creek and contiguous waters. The beneficial uses of Redwood Creek and contiguous waters as set forth in the Basin Plan are:
 - a. Recreation
 - b. Navigation
 - c. Fish habitat
 - d. Habitat and resting for water fowl, and migratory birds
 - e. Sport fishing
8. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
9. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, to achieve the water quality objectives and prohibitions in the Water Quality Control Plan that the discharger shall comply with the following:

A. Water Quality Limitations for the Peninsula Marina

1. The application of copper or other conservative toxicants to control growth of algae or aquatic plants is prohibited.
2. Adequate circulation and mixing, or other methods of water quality management, shall be provided so as to maintain the following levels of water quality at all points within the marina:
 - a. Dissolved Oxygen 5.0 mg/l minimum. Annual median ~ 80% saturation
 - b. pH Variation from ambient pH within the adjacent waters of Redwood Creek by no more than 0.5 pH units.
 - c. Chlorophyll "a" 50 µg/l maximum. When concentration of chlorophyll "a" in the adjacent Redwood Creek exceed this, the concentrations within the marina shall be not more than 20 percent above creek concentration.
 - d. No visible, floating, suspended or deposited oil or other products of petroleum origin.
3. Water quality within the marina shall be managed so as to prevent the presence of toxic or other deleterious substances in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving water or as a result of biological concentration.

4. Discharge of sewage or other wastes to waters of the State is prohibited.

B. Provisions

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program as directed by the Executive Officer.
2. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location, or volume of the discharge.
3. The discharger shall permit the Regional Board:
 - a. Entry upon premises in which an effluent source is located or in which any required records are kept,
 - b. Access to copy any records required to be kept under terms and conditions of this Order,
 - c. Inspection of monitoring equipment or records, and
 - d. Sampling of any discharge.
4. The discharger shall maintain in good working order and operate efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
5. In the event the discharger is unable to comply with any of the conditions of this Order due to:
 - a. Breakdown of waste treatment equipment;
 - b. Accidents caused by human error or negligency; or
 - c. Other causes such as acts of nature,

the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

6. Collected screening, sewage and other wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on December 20, 1977.

FRED H. DIERKER
Executive Officer

Attachments:

Map
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Piombo Corporation, Inc.

Peninsula Marina

Redwood City, San Mateo County

ORDER NO. 77-152

CONSISTS OF

PART A

AND

PART B

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. Marina Water

<u>Station</u>	<u>Description</u>
PM-1	At a point in the Peninsula Marina approximately 250 feet from the confluence of the marina with Redwood Creek.
PM-2	At a point in the Northern portion of the Peninsula Marina approximately 900 feet from the confluence of the marina with Redwood Creek.
PM-3	At a point in the Peninsula Marina where the water circulation pipe enters the rear of the marina basin.

B. Reference Station

<u>Station</u>	<u>Description</u>
R-1	At a point in Redwood Creek at the confluence with Smith Slough.

II. SCHEDULE OF SAMPLING AND ANALYSIS

A. The schedule of sampling and analysis shall be that given as Table I.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No.
2. Includes only the following paragraphs of Part A:
A., B., C.2., E.1., E.3., F.1., F.3.a, b, c, d, f, and F.4.
3. Has been ordered by the Executive Officer on December 20, 1977, and becomes effective immediately when the Peninsula Marina is operational.
4. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Attachement:
Table I

TABLE I

SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

SAMPLING STATIONS	PM-1 to PM-3 & R-1 (1) PM-3								
TYPE OF SAMPLES	G	G	O						
Date of Sample	April 2 Oct. 30	Oct 1 April 1							
Duration of pumping (hours)			E						
Chlorophyll "a" (mg/l)	2W	M							
Dissolved Oxygen (mg/l)	2W ⁽²⁾	M ⁽²⁾							
Oil & Grease (mg/l)	M	3M							
Fecal Coliform (MPN/100 ml)	2W	M							
Total Coliform (MPN/100 ml)	2W	M							
Temperature Temperature °C	2W	M							

LEGEND FOR TABLE

TYPES OF SAMPLES

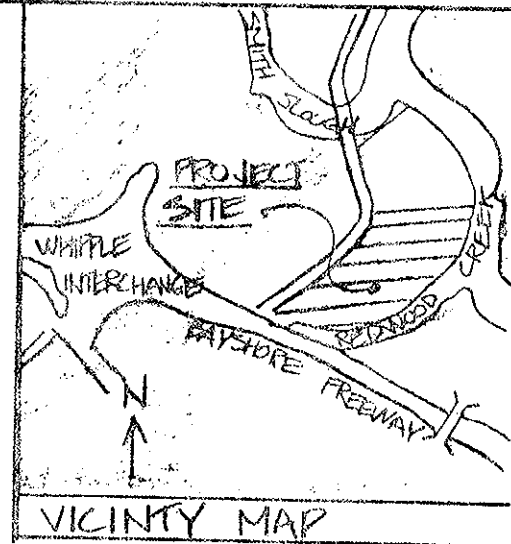
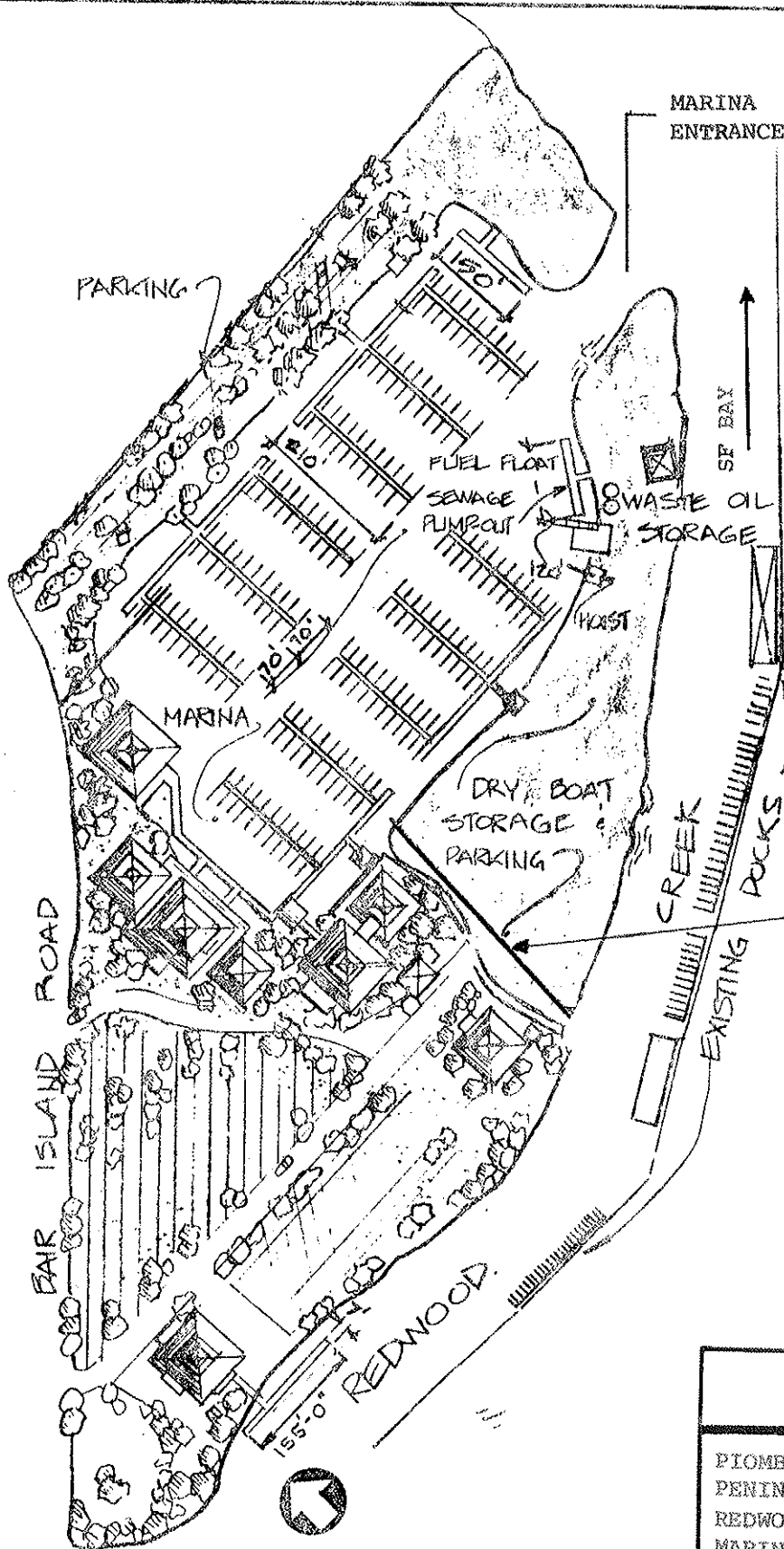
G = grab sample
O = observation

FREQUENCY OF SAMPLING

2W = every 2 weeks
M = monthly
3M = every 3 months
E = each occurrence

FOOTNOTES:

1. Stations PM-1, PM-2, PM-3, and R-1 shall be sampled at a low slack tide.
2. Dissolved oxygen samples taken in the marina shall be collected before or at 8 a.m. at the surface and at one foot above the bottom of the marina. The samples at R-1 shall be taken at approximately the same time as the PM stations.



PURPOSE: TO PROVIDE REC-
REATIONAL BOATING FACILITIES
FOR STORAGE, BERTHING,
FUELING, & SEWAGE PUMP-
OUT.

36 inch pipeline

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

PIOMBO CORPORATION, INC.
PENINSULA MARINA
REDWOOD CITY, SAN MATEO COUNTY
MARINA SITE PLAN

ATTACHMENT A

ORDER NO. 77-152

DRAWN BY:

DATE:

DRWG. NO.